


PERSONAL INFORMATION Ocsana – Ileana (Axuc) Opris



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Gender F | Date of birth 25/03/1985 | Nationality Romanian

WORK EXPERIENCE

June 2016 – Present
February 2015 – June 2016
March 2013 - February 2015

Senior Researcher III

Senior Researcher

Research assistant

Department: Physics of Nanostructured Systems, Research group: Multifunctional materials and biologically active compounds; National Institute for Research and Development of Isotopic and Molecular Technologies (INCDTIM), Cluj-Napoca, 67-103 Donat Street, 400293, Cluj-Napoca, Romania; www.itim-cj.ro

Development and validation of chromatographic methods for the analysis of organic compounds from different matrices; conducting studies on the extraction and analysis of pollutants from environmental samples; the use of nanoparticles for wastewater remediation; assessing the impact of pollutants on plants; extraction of bioactive compounds from plants using different extraction techniques; optimization methods for the extraction of organic compounds from different matrices; analysis and statistical interpretation of experimental results using different programs

Type of business or sector Research

October 2008 – July 2010

Chemical engineer advisor

S.C. Stone Studio S.R.L., Cluj-Napoca, Romania

Development of research department - solutions, adhesives, waxes for the impregnation of natural stone

Type of business or sector Development of the research department

EDUCATION AND TRAINING

October 2009 – November 2012

Ph.D. in Environmental Science

Ph.D. Thesis: "Contributions regarding the influences of antibiotics on some environmental factors" "Babeş-Bolyai" University, Cluj-Napoca, Romania

Development and validation of the extraction and analysis methods in order to determine pollutants in surface and wastewater samples; assessment of antibiotics impacts on foliage photosynthesis, photosynthetic pigments content and emissions of secondary volatile metabolites in plants

October 2007 – June 2008

M.Sc. in Applied Electrochemistry

Dissertation: "Development of an amperometric biosensor for acid ascorbic determination"

"Babeş-Bolyai" University, Cluj-Napoca, Romania

New biosensor design consisting in ascorbate oxidase for the determination of ascorbic acid in fruit drinks; electrochemical sensors, electrochemical methods; modeling electrochemical processes

October 2003 – June 2007

B.Sc. in Chemistry

Diploma: "Nitrogen oxides in the atmosphere"

Physics; organic and inorganic chemistry; biochemistry; analytical, technological and instrumental chemistry

PERSONAL SKILLS

Mother tongues Romanian

| Other languages | UNDERSTANDING | | SPEAKING | | WRITING |
|-----------------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C1 | C1 | C1 | C1 | C1 |
| French | B2 | B1 | A2 | A2 | B2 |

Levels: A1/A2: Basic user; B1/B2: Independent user; C1/C2: Advanced user
Common European Framework of Reference for Languages

Communication skills Good communication skills and capacity of teamwork

Technical skills Good laboratory skills with application in thin-layer chromatography (TLC), high performance liquid chromatography (HPLC) with photodiode array detection (PDA) and coupled with mass spectrometry (MS), gas chromatography - mass spectrometry (GC-MS) and with thermal desorption system (TD); determination of different pollutants in different and complex environmental samples; extraction and analysis of bioactive compounds from stressed plants; determination of the sun protection factor of some cosmetic formulations containing plant extracts; the use of nanoparticles for wastewater remediation

Computer skills General: Microsoft Office
 Specific: Origin 9.0, ChemWindow, VISION, DESAGA, LCMS Solutiion, Minitab 17, Prism

SUPPLEMENTARY INFORMATION

- Publications and scientific events** Total number of publications: 30
 Total number of ISI publications: 26
 Patents: 2
 Patent applications: 2
 Book chapter: 1
 Total number of attendance at scientific events: 62
<https://orcid.org/0000-0002-9765-2739>
<https://publons.com/researcher/2959742/ocsana-opris/>
<https://www.scopus.com/authid/detail.uri?authorId=55026927300>
- Internships** Research stage (October 2011 – March 2012) at the Estonian University of Life Sciences, Institute of Agriculture and Environmental Sciences, Tartu, Estonia
- Projects** Member in the research team of 8 research projects
 Project coordinator PD (05/2018 – present) “Assessing the influence of non-steroidal anti-inflammatory drugs on physiological characteristics and secondary metabolites in autochthonous vegetables” (PN-III-P1-1.1-PD-2016-0484)
- Affiliations to professional associations** Member of the Romanian Chemistry Society (2008 – present)
- Reviewer** Environmental Pollution (2019)
 International Journal of Nanomedicine (2019)
 International Journal of Environmental Research (2018)
 Current Pharmaceutical Analysis (2017)
 Journal of Clinical Studies and Medical Case Reports (2017)
 Scientific and Technical Bulletin, Series: Chemistry, Food Science and Engineering (2017)
 Arabian Journal of Chemistry (2017)
 Pakistan Journal of Scientific and Industrial Research (2017)

June, 2019

Dr. Ocsana-Ileana OPRIȘ